

DS-LMC CO2 Flying Laser Marking Machine

Introduction:

DS-LMC CO2 flying laser marking machine adopts the most advanced sealed continuous carbon dioxide laser source. The maximum service life of the laser tube is 40,000 hours, which is especially suitable for laser marking, engraving and cutting.

Equipped with high-performance high-speed galvanometer scanning system, so the marking accuracy is high and the processing speed is fast.

Can be used in conjunction with conveyor belts to mark the surface of flying objects to increase productivity.

Support long coding function, coding content covers numbers, special characters, letters, Chinese and other characters and LOGO.

Can achieve continuous and various total array coding, and can be edited arbitrarily

Equipped with a dedicated encoder to realize online speed feedback. According to different parts, equipped with various optical fiber sensors for detection

Applicable materials:

- ❖ Applicable to flymark on most non-metallic materials, such as leather, cloth, wood, bamboo, paper, organic materials, acrylic, plastic, epoxy, ceramics, rubber, etc.

Applicable industries:

- ❖ FlyMarking on surface of various non-metallic materials and products, such as plexiglass, ceramics, plastics, synthetic materials, wood, rubber leather, paper products;
- ❖ Electronic industry: laser flymarking of capacitors

,inductors, printed circuit boards, integrated circuits, electrical plug-in cards, various instruments and control panels;

- ❖ Daily necessities and clothing industry: marking buttons, cosmetic packaging, food packaging, tobacco and alcohol, stationery, handicrafts, etc.






Advantages:

- ❖ High speed
- ❖ High precision
- ❖ High performance
- ❖ High efficiency
- ❖ Easy operation
- ❖ High photoelectric conversion efficiency
- ❖ Smaller beam spot size
- ❖ Long lifetime
- ❖ No consumable parts
- ❖ Extension: conveyor

Technical parameter

Model	DS-LMC30/DS-LMC60
Laser power output	30W/60W
laser wavelength	9.3μm/10.6μm
Marking area	70x70mm,100x100mm(standard),150x150mm
Pulse frequency	1~100KHZ
Max marking speed	10,000mm/s
Max line speed	0~200m/min
Font format	Dot,single line,True type
Code format	Most 1D & 2D codes available
Supported interface	USB,TCP/IP,RS219 for encoder and sensor
Repeat accuracy	±0.001mm
Min.line width	0.1mm
Min.character size	0.2mm
Cooling	Air cooled
Working temp	5~35 °C
Gross weight	90KG
Power supply	AC220V ± 10%,50Hz or AC110V ± 10%,60Hz

Configurations

Name	Picture	Unit	Q.ty	Remarks	EWX Price(USD)
Machine body		set	1	DOTSLASER developed	Pls contact us
Laser tube		set	1	COHERENT 9.3um,Power 30Watts	
High speed flying galvo head		set	1	maximum flying speed 10,000mm/s	
Control system		set	1	Professional laser flying system	

Sample show

